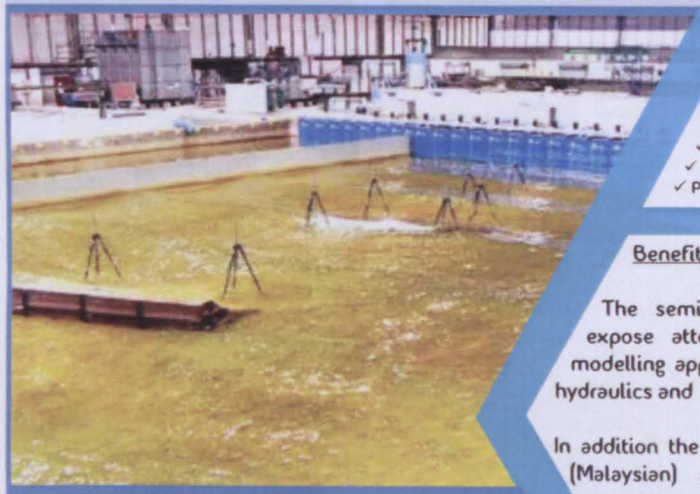
PHYMAT2018

5th NATIONAL SEMINAR ON PHYSICAL MODELLING APPLICATION AND TECHNOLOGY

DATE: 5th & 6th DECEMBER 2018
VENUE: NAHRIM AUDITORIUM

CPD HOUR



Who Should Attend?

- ✓ Engineers & Researchers
- ✓ Government, Public & Private Sectors
- ✓ Local authorities
- ✓ Environmental Practitioners
- ✓ Academicians & Students
- ✓ Other water engineering professionals

The scope will include (but not limited to):

- ✓ Flood mitigation and innovative control measures
- ✓ Dam and reservoirs/flood control structures
- ✓ River modelling and regional disaster
- ✓ Coastal structure and protection
- ✓ Water intake structure
- ✓ Port structure and navigation channel professionals

Benefits

The seminar will enhance the understanding and expose attendees to many aspects of physical modelling applications & technologies in the field of hydraulics and water environment.

In addition the event will be conducted by both local (Malaysian) and international physical modelling experts, providing access to a wealth of knowledge and experience.

FEE: RM120/person

SEMINAR OBJECTIVES

- To introduce and promote the application of physical modelling technology in hydraulic engineering;
- To share knowledge, experience and technology among experts, researchers, academicians, public and private sectors, engineering professional, etc;
- To strengthen and enhance collaborations between organisation, agencies and institutions of public and private sectors.

DATE: 5th & 6th DECEMBER 2018
VENUE: NAHRIM LOBBY

HYDRAULIIS

1ST HYDRAULIC INVENTION AND INNOVATION SHOW

Introduction

In conjunction of PHYMAT 2018, HydrauLIIS were established as a platform for researchers in the field of hydro-environment engineering to showcase their hydraulic innovative product and share the product finding at The National avenue.

Focussing only on hydraulic innovative product, HydrauLIIS become the 1st in Malaysia for Hydraulic Innovator to dedicate their masterpiece into recognition and gain/drain idea with others.

As a start, NAHRIM as the main organizer targets participation from public research institutions, private research institutions, government departments, private sectors and local institutions of higher learning for this inaugural event. Through such initiatives, it is hoped that innovative culture and creativity, especially in the field of hydro-environments can be driven more systematically towards making Malaysia a developed nation by 2020 in line with the aspirations of the National Science, Technology and Innovation Policy.

FEE: RM650/product

HydrauLIIS Objectives:

i. To establish NAHRIM as a leader in local hydraulic research innovation products.
ii. To highlight local/national hydraulic research, innovation products.
iii. Provides a platform for researchers to exhibit hydraulic research innovation products.
iv. Creating awareness for research interests in hydraulic research, innova tion products.
v. Nurture innovative thinking and creativity among researchers.

ORGANISED BY:

NATIONAL HYDRAULIC RESEARCH INSTITUTE OF MALAYSIA (NAHRIM)
HYDRAULIC AND INSTRUMENTATION LABORATORY

Keynote Address
YBhg. Prof. Dato' Ir. Dr. Othman A. Karim
Affiliation : Universiti Kebangsaan Malaysia (UKM)
Title : Physical Modeling Development in Malaysian IHL

Session 1
Speaker : Mr. Andrew Brown
Affiliation : HR Wallingford UK
Title : Use of Physical Modelling to Support Design of Key Marine Infrastructures, The Case of the Aberdeen Harbour Expansion

Session 2
Speaker : Prof. Dr. Ismail bin Abustan
Affiliation : Universiti Sains Malaysia (USM)
Title : Physical Hydraulics Flood Inundation Study By Drone Image Measurement Method

Session 3
Speaker : Dr. Mohamad Hidayat bin Jamal
Affiliation : Universiti Teknologi (UTM)
Title : Flood Flow Behaviour In Riparian Vegetated Sandy Bed Channel

Session 4
Speaker : Ir. Norzana binti Mohd Anuar
Affiliation : IEM, BEM
Title : Perforated Cylinder As A Potential Artificial Reefs For Protection, Mitigation, And Restoration

Session 5
Speaker : Mr. Ahmad Hadi bin Mohamed Rashidi
Affiliation : National Hydraulic Research Institute of Malaysia
Title : Assessing The Stability and Efficiency of NEXC Block as an Innovative Coastal Protection Structure in a Wave Flume

Session 6
Speaker : Dr. Sofiyan bin Sulaiman
Title : Three-Dimensional Flow Measurement With Acoustic Doppler Velocimeter (ADV)

Session 7
Speaker : Mrs. Rhahimi binti Jamil
Affiliation : Universiti Sains Malaysia (USM)
Title : A Study Of Cascade Aerator Model For Groundwater Treatment

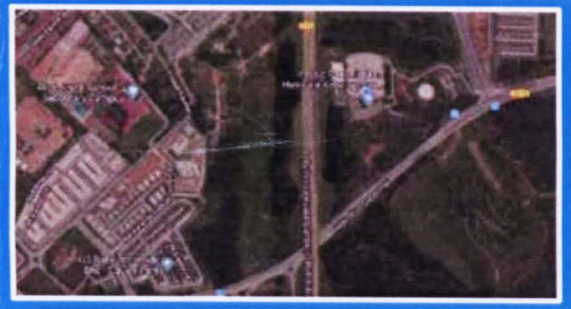
Session 8
Speaker : Dr. Mohd Khairi bin Abu Husain
Affiliation : Universiti Teknologi Malaysia (UTM)
Title : Integrated Tidal Marine Turbine for Power Generation With Coastal Erosion Breakwater

Session 9
Speaker : Dr. Mohd. Shahrizal bin Ab Razak
Affiliation : Universiti Putra Malaysia (UPM)
Title : Experimental Investigation of Wave Transmission Coefficient on Wabcore Lightweight Submerged Breakwaters

Session 10
Speaker : Pn. Yannie anak Benson
Affiliation : National Hydraulic Research Institute of Malaysia
Title : Wave Overtopping on NEXC Block Using Coastal Basin

Session 11
Speaker : Ms. Sarah Alia binti Md Wakif
Affiliation : Universiti Sains Malaysia (USM)
Title : Performance of the Hydraulic Efficiency for Different Grate Configuration

Session 12
Speaker : Ir. Icahri bin Hj. Chatta
Affiliation : National Hydraulic Research Institute of Malaysia
Title : Wave Energy Harvesting System Development



GPS Coordinates (lat, long) :
3.001382, 101.684957

Waze :
Institut Penyelidikan Hidraulik Kebangsaan Malaysia (NAHRIM)
Lot 5377,
Jalan Putra Permai,
43300 Seri Kembangan,
Selangor Darul Ehsan.

5th National Seminar on Physical Modelling Applications and Technology (PHYMAT) 2018

December 5th – Wednesday

8.00 : Registration of speakers and participants
8.35 : Arrival of Ministry officer
8.40 : Arrival of Secretary General, YBhg. Dato' Dr. Tan Yew Chong Ministry of Water, Land and Natural Resources
8.45 : Arrival of Minister of Water, Land and Natural Resources, YB Dr. Xavier Jayakumar
8.50 : Signature of visitor's books by Minister at MHI
: KATS & NAHRIM's top management accompanying the minister to visit MHI
9.00 : KATS & NAHRIM's top management accompanying the minister to NAHRIM auditorium
9.05 : Announcement of the YB Minister's arrival
: Doa recital
9.10 : Speech by Deputy Director General, YBrs. Ir. Hj. Mohd Fauzi Bin Mohamad, National Hydraulic Research Institute of Malaysia
9.15 : Keynote Address
YBhg. Prof. Dato' Ir. Dr. Othman bin A. Karim
9.25 : Launching of Malaysia Books of Records (MBR)
9.35 : Speech by Minister of Water, Land and Natural Resources, YB Dr. Xavier Jayakumar
9.45 : KATS & NAHRIM's top management accompanying the minister to NAHRIM library for press conference
10.00 : Photo session nearby to the Hadiqatul Ma' pond
10.15 : KATS & NAHRIM's top management accompanying the minister for refreshment
11.00 : Session 1
11.20 : Session 2
11.40 : Session 3
12.00 : Session 4
12.20 : Q&A session
12.45 : Certificate submission to speaker
12.50 : Lunch
14.15 : Session 5
14.35 : Session 6
15.00 : Session 7
15.20 : Q&A session
15.45 : Certificate submission to speaker
16.00 : End of day one

December 6th – Thursday

8.00 : Registration of speakers and participants
8.30 : Lab tour – Makmal Hidraulik dan Instrumentasi (MHI)
9.00 : Session 8
9.20 : Session 9
9.45 : Q&A session
10.00 : Certificate submission to speaker
10.15 : Coffee/Tea break
10.40 : Session 10
11.00 : Session 11
11.20 : Session 12
12.00 : Q&A session
12.15 : Certificate submission to speaker
12.30 : Lunch and Adjourned

1st Hydraulic Invention And Innovation Show (HydrauLIIS) 2018

December 5th - Wednesday

8.00 : Showcase
10.15 : Coffee/Tea break
12.50 : Lunch
14.14 : Showcase
16.00 : End of day one

December 6th - Thursday

8.00 : Showcase
10.15 : Coffee/Tea break
10.30 : Judgment by the Jury
12.15 : Result and Recognition
: Prizes and Giving Ceremony
12.30 : Lunch and Adjourned

MINISTRY OF WATER, LAND AND NATURAL RESOURCES
NATIONAL HYDRAULIC RESEARCH INSTITUTE OF MALAYSIA (NAHRIM)

HYDRAULIC AND INSTRUMENTATION LABORATORY